

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : G01N 33/92, 33/577, C07K 16/18, C12N 5/18		A1	(11) International Publication Number: WO 00/58734
			(43) International Publication Date: 5 October 2000 (05.10.00)
(21) International Application Number: PCT/US00/07989			(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
(22) International Filing Date: 27 March 2000 (27.03.00)			
(30) Priority Data: 60/126,513 26 March 1999 (26.03.99) US			
(71) Applicant (for all designated States except US): MARTEK BIOSCIENCES CORPORATION [US/US]; 6480 Dobbin Road, Columbia, MD 21045 (US).			
(72) Inventors; and (75) Inventors/Applicants (for US only): ALLNUTT, Thomas, F., C. [US/US]; 95 Bentley Lane, Port Deposit, MD 21904 (US). MORSEMAN, John, P. [US/US]; 9615 Rocksparkle Road, Columbia, MD 21045 (US). CHEN, Hao [US/US]; 5905 Oslo Court, Columbia, MD 21044 (US).			
(74) Agents: POSORSKE, Laurence, H. et al.; Baker Botts, L.L.P., 1299 Pennsylvania Avenue, N.W., Washington, DC 20004 (US).			Published With international search report.
(54) Title: SPECIFIC BINDING ASSAY FOR DOCOSAHEXAENOIC ACID			
(57) Abstract <p>This invention provides a method for detecting the presence or amount of a particular fatty acid, in the presence of other fatty acid, comprising the steps of (1) binding the analyte fatty acid by a protein with differential specificity for it over other fatty acid and (2) detection of the complex by any method which will distinguish between bound and unbound fatty acid.</p>			